CommPower CP-XP

Message Migration Tool

User Manual

See important legal notices on next page

Copyright Notice:

Copyright ©2005 Communications & Power Engineering, Inc.

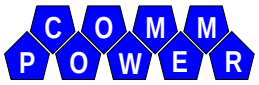
All rights reserved. No part of this publication may be reproduced, transmitted, stored in a retrieval system, nor translated into any human or computer language, in any form or by any means, electronic, mechanical, magnetic, optical, chemical, manual, or otherwise, without the prior written permission of the copyright owner, Communications & Power Engineering, Inc. Copyright infringement is a serious matter under the United States and foreign Copyright Laws.

Any copyrighted software that accompanies this document is licensed to the End User only for use in strict accordance with the governing End User License Agreement (EULA), which must be accepted before commencing use of the software. Information in this document is subject to change without notice.

Use, duplication, or disclosure by the UNITED STATES GOVERNMENT is subject to restrictions as set forth in subparagraph (c) (1) of the COMMERCIAL COMPUTER SOFTWARE - RESTRICTED RIGHTS clause at FAR 52.227-19, or subparagraph (c) (1) (ii) of the RIGHTS IN TECHNICAL DATA AND COMPUTER SOFTWARE clause at DFARS 52.227-7013. The "Contractor/Manufacturer" is Communications & Power Engineering, Inc.

Permission to Reprint:

Communications & Power Engineering, Inc. (dba CommPower) hereby grants permission to Telos Corporation to reprint and distribute this document, in its entirety only, exclusively (1) to licensed users of CommPower's CP-XP Message Migration Tool and (2) for the purpose of supporting authorized uses with CP-XP/AMHS systems only.



CommPower, Inc.
1040 Flynn Road
Camarillo, CA 93012-8016
Telephone: 1 805 389 7414
Fax: 1 805 389 7419
e-Mail: Internet (info@commpower.com)

Table Of Contents

Table Of Contents i

Introduction 1

Scope Of CP-XP Message Migration Tool Use 1

CP-XP Message Migration Tool 2
- Installing The CP-XP Message Migration Tool 2
- Manual License File Installation 9
- Uninstalling The CP-XP Message Migration Tool 9
- Running The CP-XP Message Migration Tool 9
- Migration Tool File Menu 10
  - Logon 11
    - New Profile Creation 12
  - Logoff 12
  - Exit 12

- CP-XP Message Migration Tool Actions Menu 12
  - Configuration 12
    - Message Source Tab 13
    - DSA Connection Tab 15
    - Check that the entered data is correct and that the DSA is operational and retry. 16
    - Conversion Tab 16
      - Failed Message Migration 24
    - Fortezza Tab 25
    - Completing the Configuration Process 28
  - Save Configuration 30
  - Migrate Message 30
  - Abort Migrating 33

- Migration Tool Help Menu 33

Introduction

The CommPower CP-XP Message Migration Tool was developed to aid in the migration of existing DMS Microsoft Exchange based message systems to an AMHS/CP-XP based system. This tool provides the capability to convert signed and encrypted (SE) and signed only (SO) messages that reside within a Microsoft Exchange mailbox to standard CP-XP Extensible Markup Language (XML) format. This tool does not convert Signed Receipts, Delivery Reports, Non-Delivery Notifications (NDN) or messages in the "Clear".

As each message is converted it is placed in a separate file in a configurable folder. The original message within the DMS Microsoft Exchange mailbox is left unchanged. The converted messages can be introduced to an AMHS system for permanent storage. The AMHS system treats these messages as if they were delivered to it by a CP-XP. Therefore, all AMHS message-processing capabilities are available for these messages.

This document describes the basic steps required to convert SE and SO messages that are stored in a DMS Microsoft Exchange mailbox to standard CP-XP XML format using this tool.

Scope Of CP-XP Message Migration Tool Use

The following requirements and guidelines should be adhered to when running this tool:

- This tool was designed to run on the DMS Microsoft Outlook client user agent (UA) system not on the associated DMS Microsoft Exchange Version 5.5 system.
- To run the tool, log-on to the DMS Microsoft Outlook client UA system as the domain user account that is associated with the mailbox containing the message(s) to be migrated. This implies that an established mailbox exists along with the required domain user account and Outlook Profile.
- If the logged on domain user account is associated with more than one mailbox, separate Outlook Profiles may have to be created to allow the tool access to each mailbox.
- The Fortezza card for the DMS Microsoft Outlook client UA must be inserted in the connected Fortezza card reader.
- This tool converts messages that are stored in the "Inbox" folder, "Sent Items" folder or a "Public Folder" of the DMS Microsoft Exchange mailbox selected. It does not look in sub-folders for messages.

CP-XP Message Migration Tool

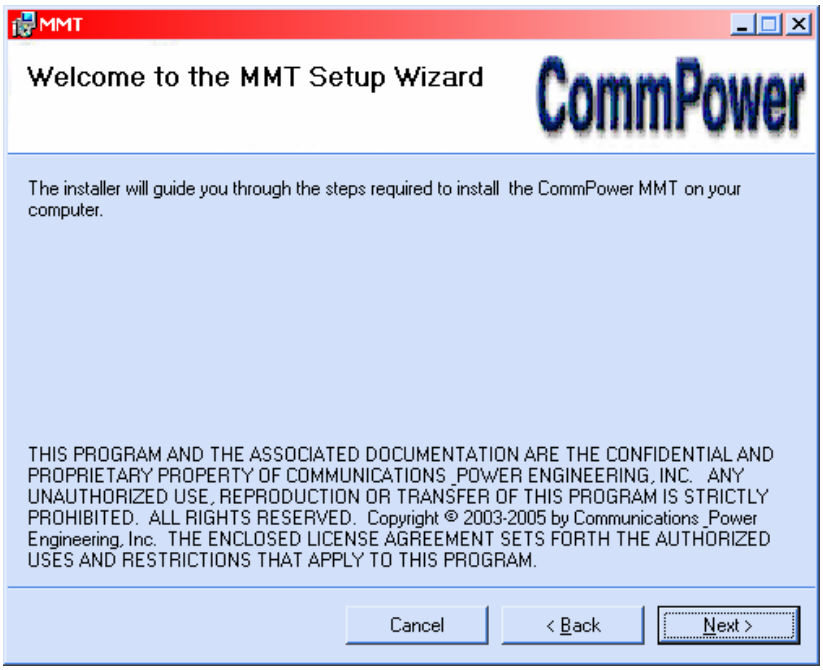
This tool provides the capability to migrate SE and SO messages that reside within a DMS Microsoft Exchange 5.5 mailbox to standard CP-XP XML format. When migrating SE messages, the ACP120 Security Label is included in the migrated XML formatted message. Signed Only messages do not have an ACP 120 Security Label so the converted messages have a blank Security Label within the converted XML message.

Installing The CP-XP Message Migration Tool

Perform the following steps to install the CP-XP Message Migration Tool. This document assumes an installation on the C drive, however any drive may be used.

- Log-on to the DMS Microsoft Outlook client UA system as the domain user account that is associated with the mailbox containing the message(s) to be migrated.
- Insert the CP-XP Message Migration Tool CD and double click on ***Setup.exe***. The initial installation window is displayed

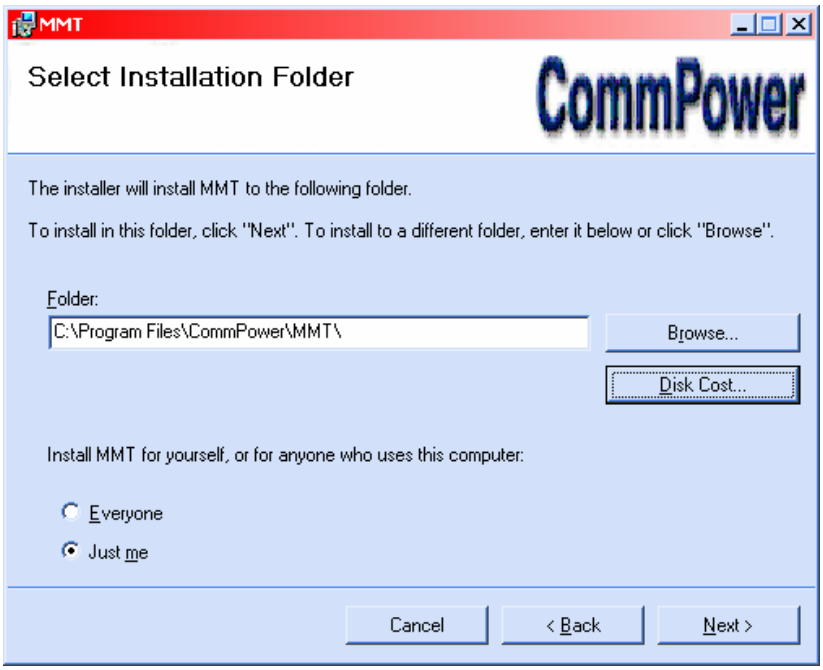
- Select the ***Next*** button on the initial installation window. The ***Welcome to the MMT Setup Wizard*** window is displayed.


MMT
Welcome to the MMT Setup Wizard
CommPower
The installer will guide you through the steps required to install the CommPower MMT on your computer.
THIS PROGRAM AND THE ASSOCIATED DOCUMENTATION ARE THE CONFIDENTIAL AND PROPRIETARY PROPERTY OF COMMUNICATIONS _POWER ENGINEERING, INC. ANY UNAUTHORIZED USE, REPRODUCTION OR TRANSFER OF THIS PROGRAM IS STRICTLY PROHIBITED. ALL RIGHTS RESERVED. Copyright © 2003-2005 by Communications _Power Engineering, Inc. THE ENCLOSED LICENSE AGREEMENT SETS FORTH THE AUTHORIZED USES AND RESTRICTIONS THAT APPLY TO THIS PROGRAM.
Cancel
< Back
Next >

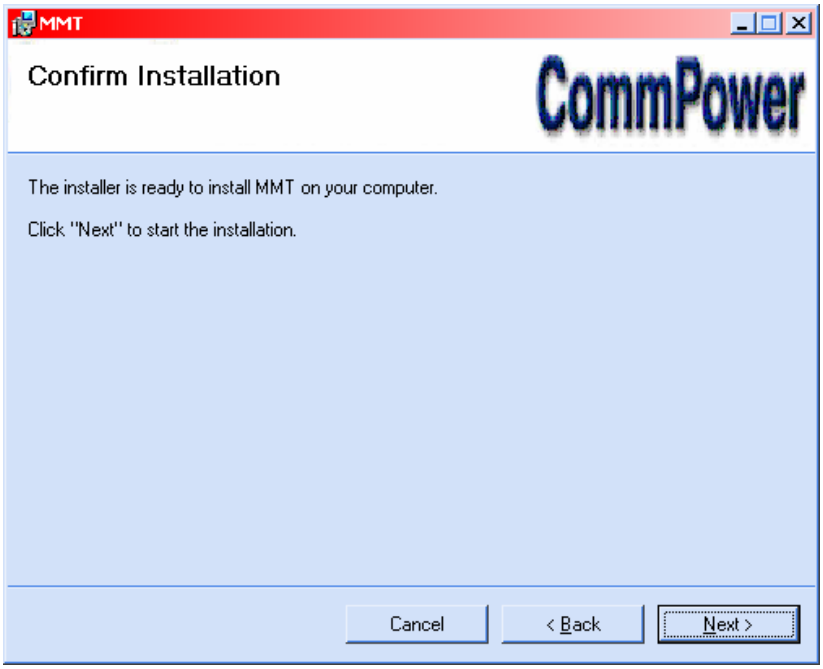
- After reading the notice select the ***Next*** button on the ***Welcome to the MMT Setup Wizard*** window. The ***License Agreement*** window is displayed.

MMT
License Agreement
CommPower
Please take a moment to read the license agreement now. If you accept the terms below, click "I Agree", then "Next". Otherwise click "Cancel".
LICENSED (NOT SOLD). LICENSOR DOES NOT SELL OR TRANSFER TITLE TO THE LICENSED PROGRAM TO YOU ("LICENSEE"). YOUR RIGHT TO USE THE LICENSED PROGRAM WILL COMMENCE UPON DELIVERY TO YOU OF THE LICENSED PROGRAM. IF YOU DO NOT ACCEPT THE TERMS OF THIS LICENSE AGREEMENT, THEN YOU MUST NOT INSTALL THIS PROGRAM AND YOU MUST RETURN THE
I Do Not Agree
I Agree
Cancel
< Back
Next >

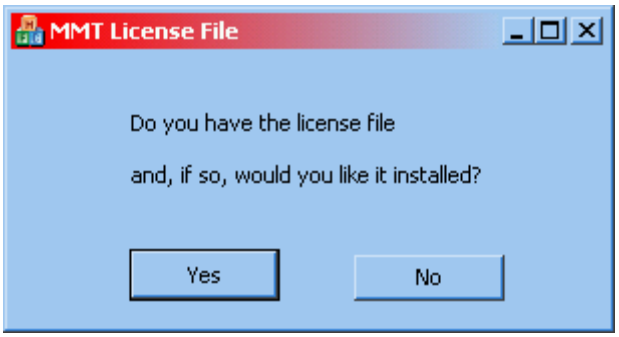
- If you agree to the terms and conditions stated in the License Agreement select the ***I Agree*** radio button and then the ***Next*** button on the ***License Agreement*** window. The ***Select Installation Folder*** window is displayed.


MMT
Select Installation Folder
CommPower
The installer will install MMT to the following folder.
To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".
Folder:
C:\Program Files\CommPower\MMT\
Browse...
Disk Cost...
Install MMT for yourself, or for anyone who uses this computer:
Everyone
Just me
Cancel
< Back
Next >

- If more than one mailbox will be migrated from this system select the ***Everyone*** radio button. If the default location for installation is not acceptable, then ***Browse*** to an acceptable folder. To determine if the selected drive has enough space available for the installation select the ***Disk Cost…*** button. Select the ***Next*** button on the ***Select Installation Folder*** window. The ***Confirm Installation*** window is displayed.



- Select the ***Next*** button on the ***Confirm Installation*** window. The ***MMT License File*** window is displayed when the install process finishes.

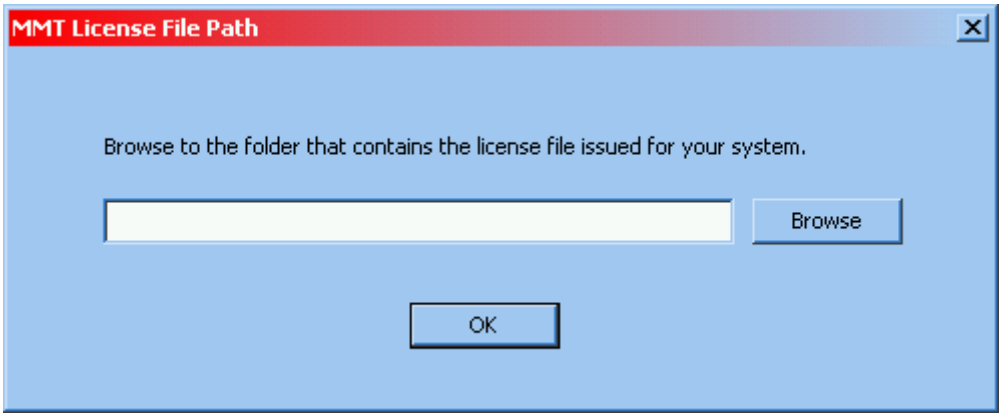


- If license file is accessible select the ***Yes*** button on the ***MMT License File*** window. The ***MMT License File Path*** window is displayed.

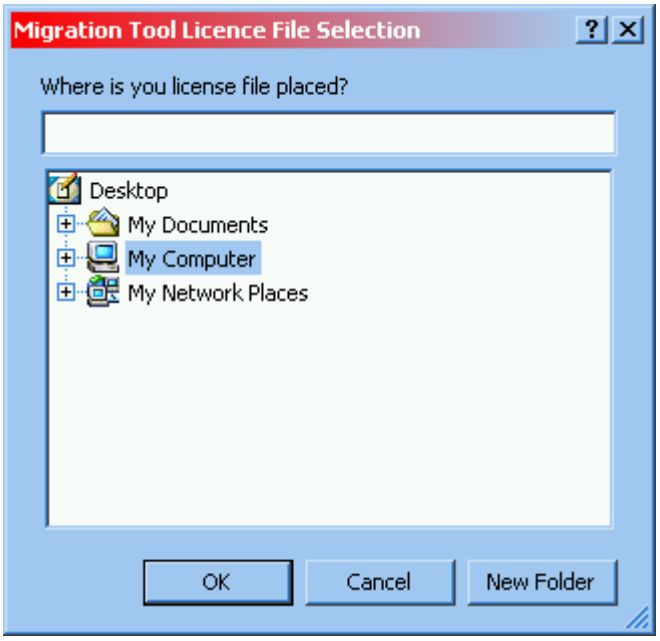
  Note: The license file may have to be edited to include the hostname (computer name) of the system being used for software installation. Open the delivered license file with WordPad. If the actual hostname of the system is seen on the first line of file then close the file and continue the installation. If the first line appears as follows:

  ```
  SERVER hostname ANY TCP:7166
  ```

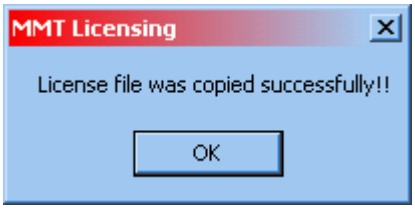
  Edit the license file by changing the word "hostname" to the actual hostname of the system, save the change, close the file and continue the installation.



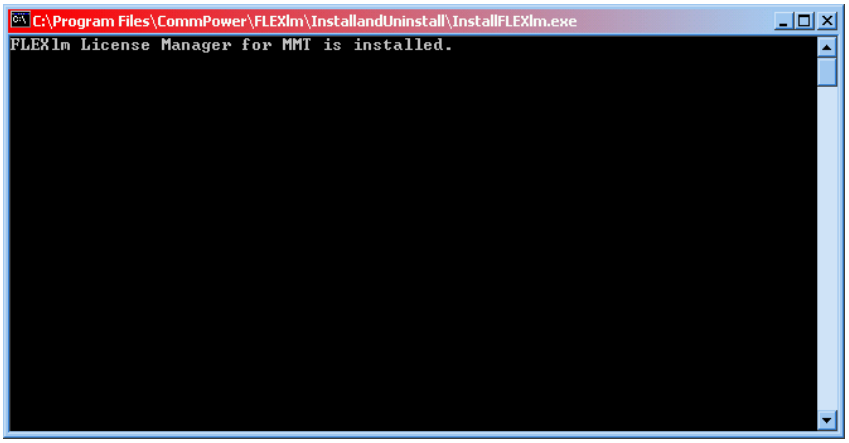
- Select the ***Browse*** button on the ***MMT License File Path*** window. The ***Migration Tool License File Selection*** window is displayed.



- Browse to the folder than contains the license file (named license.dat) and select the ***OK*** button on the ***Migration Tool License File Selection*** window. The ***MMT License File Path*** window is displayed with the path to the license file included. Select the ***OK*** button on the ***MMT License File Path*** window. The ***MMT Licensing*** window is displayed.

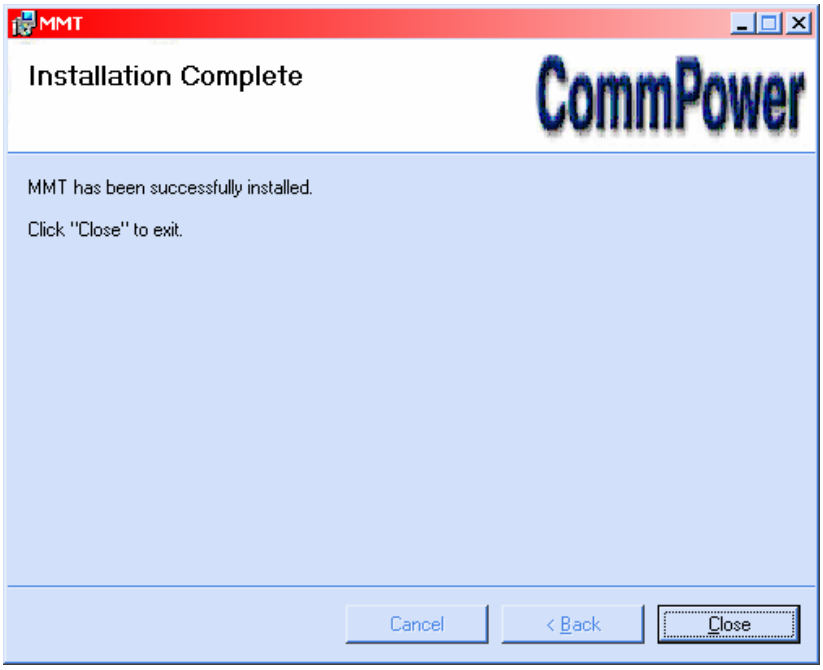


- Select the ***OK*** button on the ***MMT Licensing*** window. A command prompt window is displayed.


C:\Program Files\CommPower\FLEXlm\InstallandUninstall\InstallFLEXlm.exe
FLEXlm License Manager for MMT is installed.

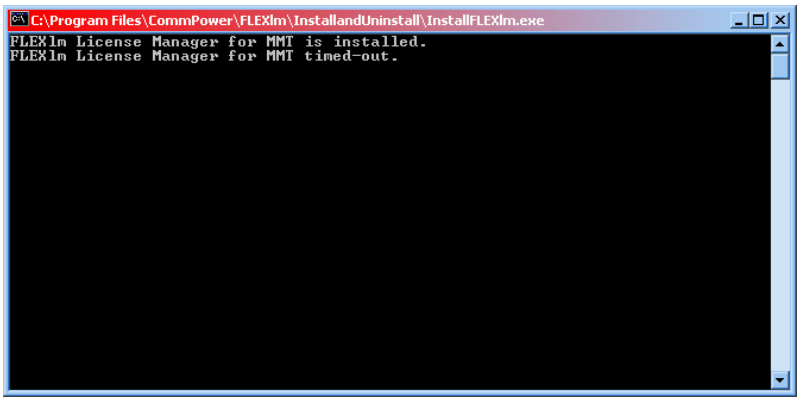
- After a short period the ***Starting FLEXlm*** window is displayed.

- Select the ***OK*** button on the ***Starting FLEXlm*** window. The ***Installation Complete*** window is displayed.

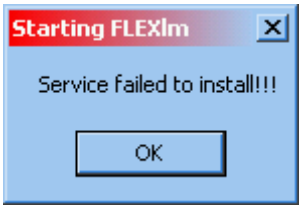


- Select the ***Close*** button on the ***Installation Complete*** window to finish the installation process and close the ***Installation Complete*** window.

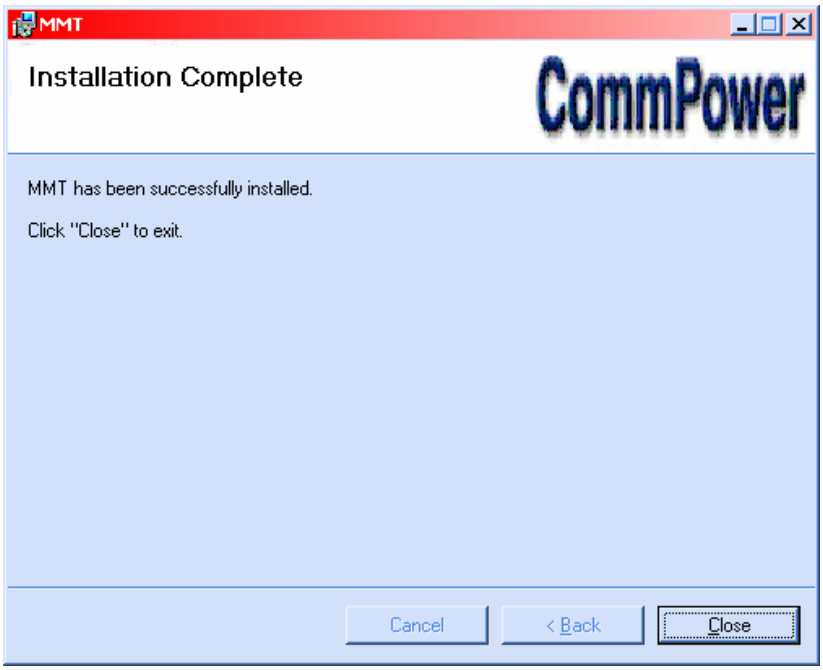
- If ***No*** was selected on the ***MMT License File*** window, the following will be noted. A command prompt window is displayed.


C:\Program Files\CommPower\FLEXlm\InstallandUninstall\InstallFLEXlm.exe
FLEXlm License Manager for MMT is installed.
FLEXlm License Manager for MMT timed-out.

- After a short period the ***Starting FLEXlm*** window is displayed.



- Select the ***OK*** button on the ***Starting FLEXlm*** window. The ***Installation Complete*** window is displayed.



- Select the ***Close*** button on the ***Installation Complete*** window to finish the installation process and close the ***Installation Complete*** window.

Note: The license file will have to be manually installed before the software can be used.

Manual License File Installation

Perform the following steps to manually install the license file.

- Copy the license file, named "license.dat", to the C:\Program Files\CommPower\FLEXlm\ folder.

  Note: The license file may have to be edited to include the hostname (computer name) of the system being used for software installation. Open the delivered license file with WordPad. If the hostname of the system is seen on the first line of file then close the file and continue the installation. If the first line appears as follows:

  ```
  SERVER hostname ANY TCP:7166
  ```

  Edit the license file by changing the word "hostname" to the actual hostname of the system, save the change, close the file and continue the installation

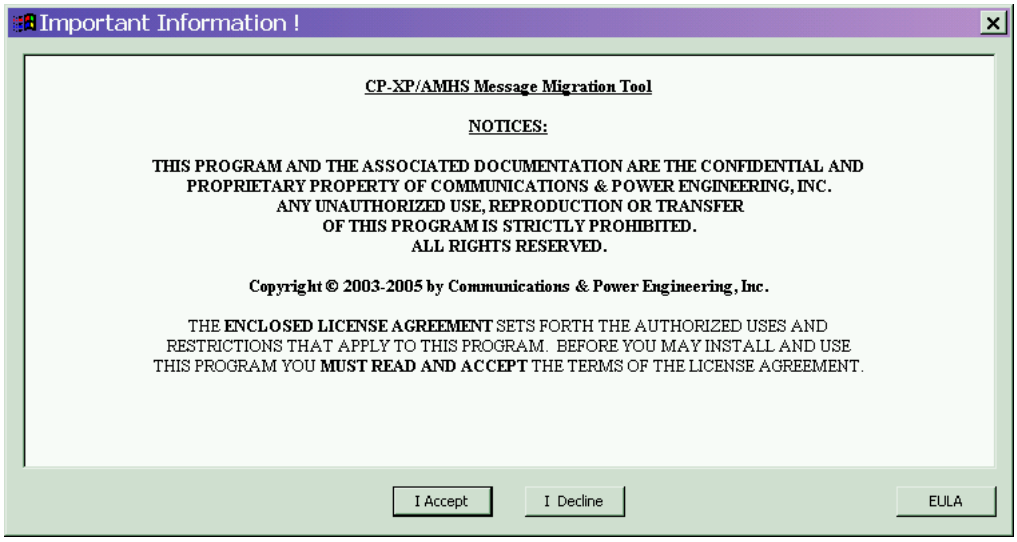
- From the Services window, stop the ***FLEXlm License Manager for MMT*** service if it is running.
- From the Services window, start the ***FLEXlm License Manager for MMT*** service.

Uninstalling The CP-XP Message Migration Tool

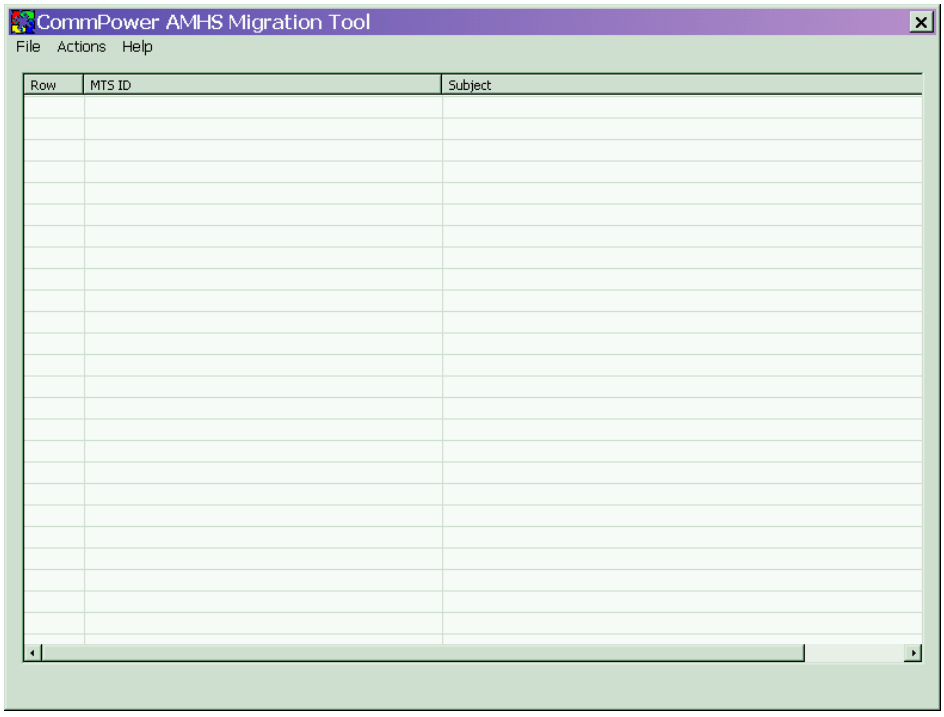
The tool is uninstalled via the Add/Remove Program option from the Control Panel. Highlight ***MMT*** within Add/Remove Programs, select **Remove** and confirm program removal to completely uninstall the CP-XP Message Migration Tool.

Running The CP-XP Message Migration Tool

As stated above, the CP-XP Message Migration Tool is run from the DMS Microsoft Outlook client UA system. To start the tool, double click on either the CP-XP Message Migration Tool desktop icon ( ) or on the file named ***cpeMigrationTool.exe*** in the C:\Program Files\CommPower\MMT folder. In either case, the CP-XP Message Migration Tool user interface will be displayed.


Important Information !
CP-XP/AMHS Message Migration Tool
NOTICES:
THIS PROGRAM AND THE ASSOCIATED DOCUMENTATION ARE THE CONFIDENTIAL AND PROPRIETARY PROPERTY OF COMMUNICATIONS & POWER ENGINEERING, INC.
ANY UNAUTHORIZED USE, REPRODUCTION OR TRANSFER OF THIS PROGRAM IS STRICTLY PROHIBITED.
ALL RIGHTS RESERVED.
Copyright © 2003-2005 by Communications & Power Engineering, Inc.
THE ENCLOSED LICENSE AGREEMENT SETS FORTH THE AUTHORIZED USES AND RESTRICTIONS THAT APPLY TO THIS PROGRAM. BEFORE YOU MAY INSTALL AND USE THIS PROGRAM YOU MUST READ AND ACCEPT THE TERMS OF THE LICENSE AGREEMENT.
I Accept
I Decline
EULA

Read the ***NOTICES*** and then click on the ***EULA*** button and review the End User License Agreement. If the terms of the ***NOTICES*** and ***EULA*** are acceptable select the ***I Accept*** button. The main window of the user interface will be displayed after approximately 10 seconds. Selecting the ***I Decline*** button will close the CP-XP Message Migration Tool.



Migration Tool File Menu

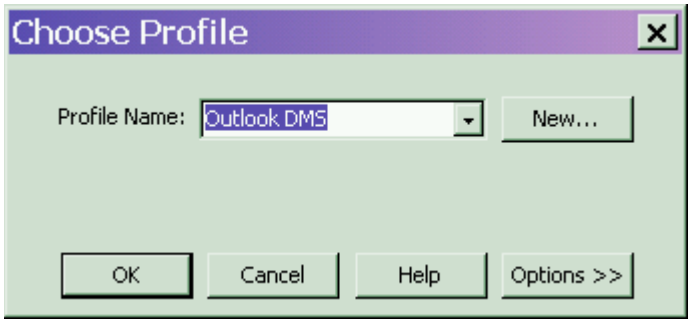
The ***File Menu*** is comprised of the following selections:

- Select the ***Logon*** option to log the CP-XP Message Migration Tool onto a specific DMS Microsoft Exchange Server.
- Select the ***Logoff*** option to log the CP-XP Message Migration Tool off a DMS Microsoft Exchange Server.
- Select the ***Exit*** option to log off of a DMS Microsoft Exchange Server and close the CP-XP Message Migration Tool.

Logon

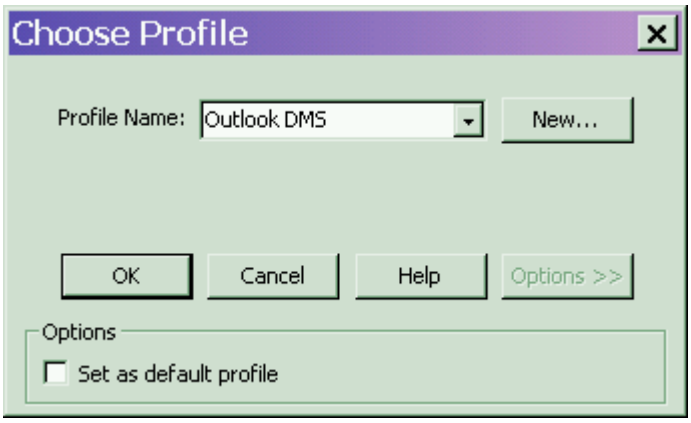
The ***Logon*** option provides the tool access to the DMS Microsoft Exchange Server mailbox that contains the messages for migration via an existing Outlook Profile.

Once selected, the ***Choose Profile*** window is displayed.



Select an appropriate ***Profile Name*** that can be used for Exchange Server logon and then select the ***OK*** button. A profile named ***Outlook DMS*** is created during the DMS client install and will generally be the appropriate selection.

The ***Options*** button can be selected to provide the following options:



- Select the ***Set as default profile*** radio button to make the currently selected profile the default profile the next time a logon is performed.

When the profile has been chosen and the ***OK*** button selected, the tool logs onto the Exchange Server indicated in the profile. At this point, tool configuration can

be performed (see the section titled ***CP-XP Message Migration Tool Actions Menu*** below).

New Profile Creation

If the domain user account being used is associated with multiple Exchange mailboxes, a separate profile may have to be created to provide the tool access to each mailbox. To create a profile, select the ***New*** button on the ***Choose Profile*** window. Enter the required information on the windows that follow to create the profile.

Logoff

The ***Logoff*** option logs the current profile off of the Exchange Server.

Exit

The ***Exit*** option logs the current profile off of the Exchange Server and closes the CP-XP Message Migration Tool.

CP-XP Message Migration Tool Actions Menu

The ***Actions Menu*** is comprised of the following selections:

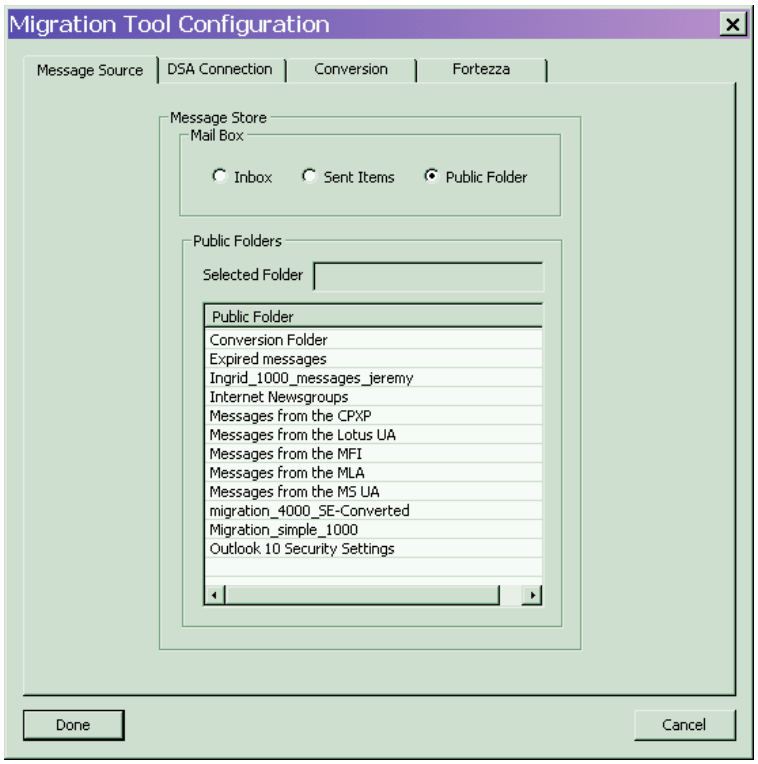
- Select the ***Configuration*** option to set configuration parameters used by the tool to convert SE and SO messages to standard CP-XP XML format.
- Select the ***Save Configuration*** option to save the current configuration for use each time the tool is started.
- Select the ***Migrate Message*** option to start the message migration process.
- Select the ***Abort Migrating*** option to stop the migration process before the next message.

The ***Configuration*** and ***Save Configuration*** options are not available until a Logon (see above) has been performed.

The ***Migrate Message*** and ***Abort Migrating*** options and not available until a Logon (see above) has been performed and the tool has been properly configured (see below).

Configuration

When selected, the ***Configuration*** option displays a window with four tabs: ***Message Source, DSA Connection, Conversion*** and ***Fortezza***. These tabs contain the configuration parameters that the tool requires when migrating DMS messages to XML format.

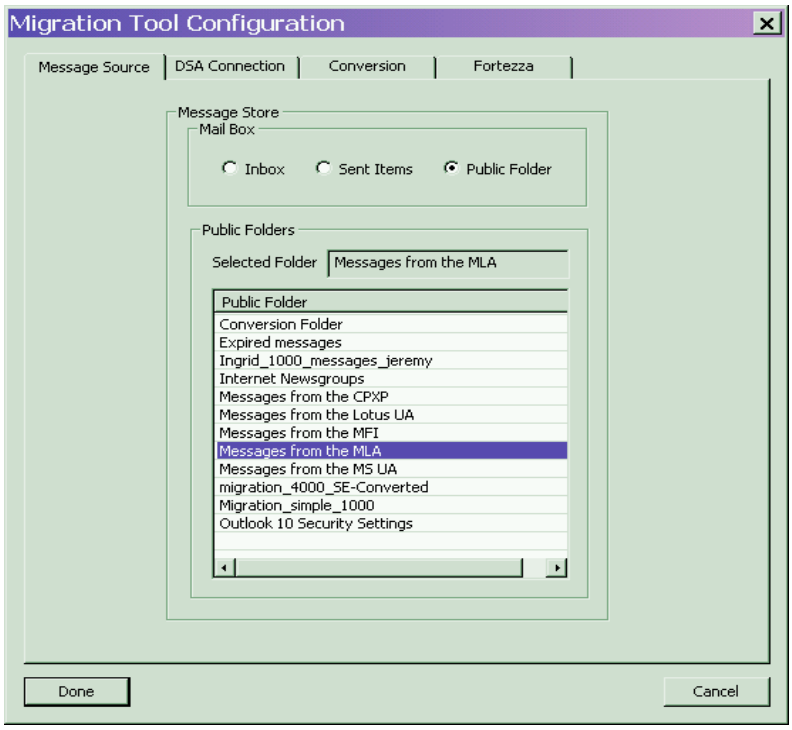


Message Source Tab

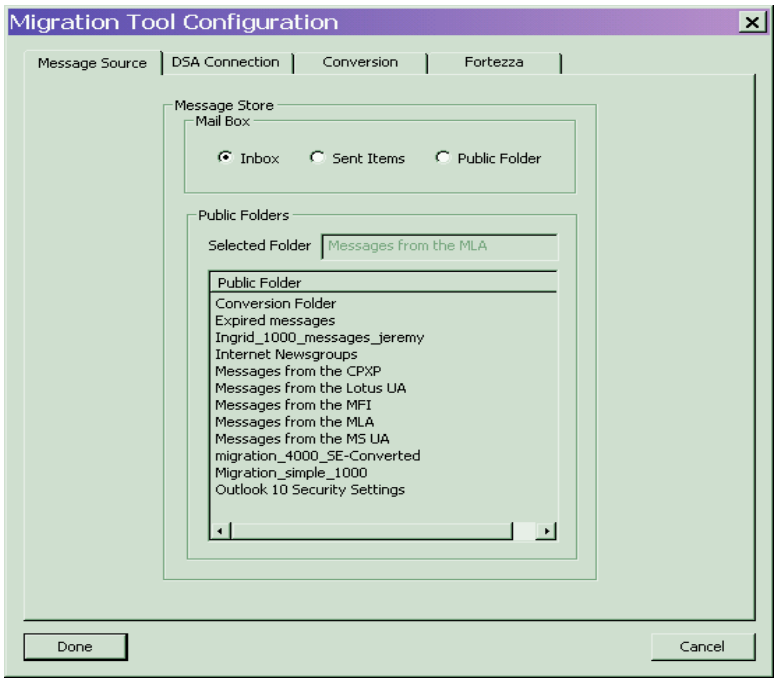
By default, the ***Message Source*** tab is displayed when the ***Configuration*** option is selected. The configuration parameters on this tab specify which folder in the DMS Outlook client mailbox contains the messages that will be migrated to XML format.

Select the appropriate radio button in the ***Mail Box*** section that corresponds to where the converted messages are stored. By default, the ***Public Folder*** radio button is selected. As noted above, this tool converts messages that are stored in the "Inbox" folder, "Sent Items" folder or a "Public Folder" of the DMS Microsoft Exchange mailbox selected. It does not look in sub-folders for messages.

Selection of the ***Public Folder*** radio button displays all of the DMS Microsoft Exchange Public folders in the ***Public Folders*** section of this tab. If the messages for migration reside in a DMS Microsoft Exchange Public folder, then double click on the folder and the folder name will be displayed in the ***Selected Folder*** box.

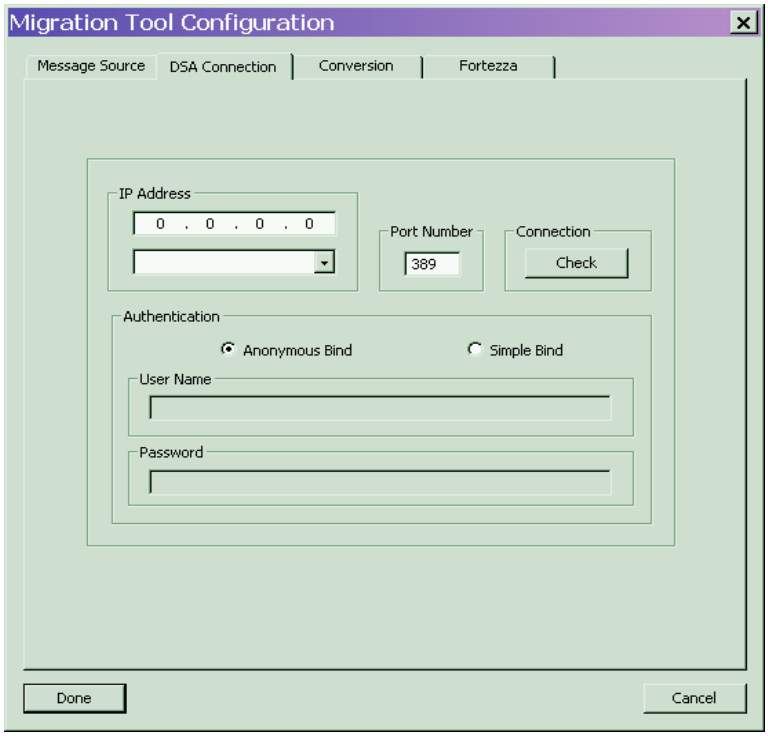


If the messages for migration reside in either the “Inbox” or “Sent Items” folder, then select the appropriate radio button in the ***Mail Box*** section. When either the “Inbox” or “Sent Items” radio button is selected the ***Public Folders*** section is grayed out.



DSA Connection Tab

The configuration parameters on this tab specify the IP address of the DSA that the tool will use to retrieve the Security Policy Information File (SPIF). The SPIF is needed to migrate the ACP120 Security Label to XML format.



Enter the IP address of the DSA in the top box of the ***IP Address*** section or select the drop-down arrow of the bottom box and select one of the listed values. If the latter is used, the following configuration will have to be perform prior to selecting the drop-down arrow:

- Using a Windows Explorer, navigate to the folder containing the CD image of the Migration Tool.
- Find the file entitled ***ip.txt***.
- Remove the Read Only Property, if it exists.
- Open the file with Notepad or WordPad and add the IP Address of each DSA that the tool may use. Enter each IP address on a separate line.
- Save the changes and close the file.

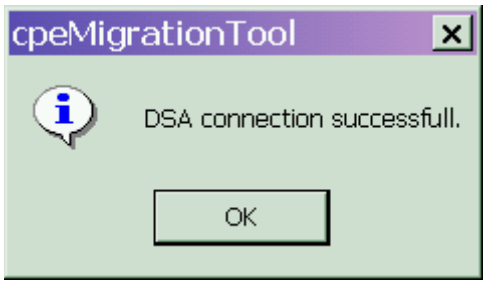
☒ **NOTE:** If running the CP-XP Message Migration Tool directly from a CD, the ***ip.txt*** file cannot be edited. Therefore, the DSA IP address will have to be manually entered in the top box of the ***IP Address*** section on this tab.

The Migration Tool uses LDAP for its directory communication. Generally, port 389 is set aside for LDAP communication and this is the default value used. If

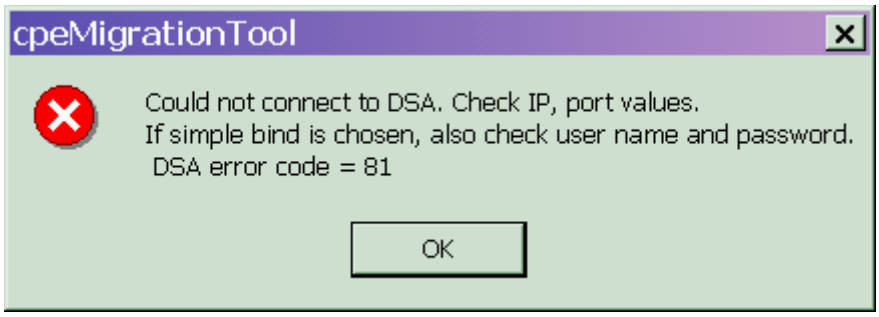
the system being used has altered this setting, change the port to the correct value in the ***Port Number*** section.

By default, the ***Anonymous Bind*** radio button is selected. This assumes that the specified DSA will accept an Anonymous Bind. If the specified DSA requires simple authentication then select the ***Simple Bind*** radio button. Once selected, the ***User Name*** and ***Password*** fields will become selectable. Enter the required data in the respective fields.

Once all required data has been entered, select the ***Check*** button to determine if the tool can bind to the specified DSA. If a bind is successful the following pop-up window is displayed:



If a bind is unsuccessful the following pop-up window is displayed:


cpeMigrationTool
Could not connect to DSA. Check IP, port values.
If simple bind is chosen, also check user name and password.
DSA error code = 81
OK

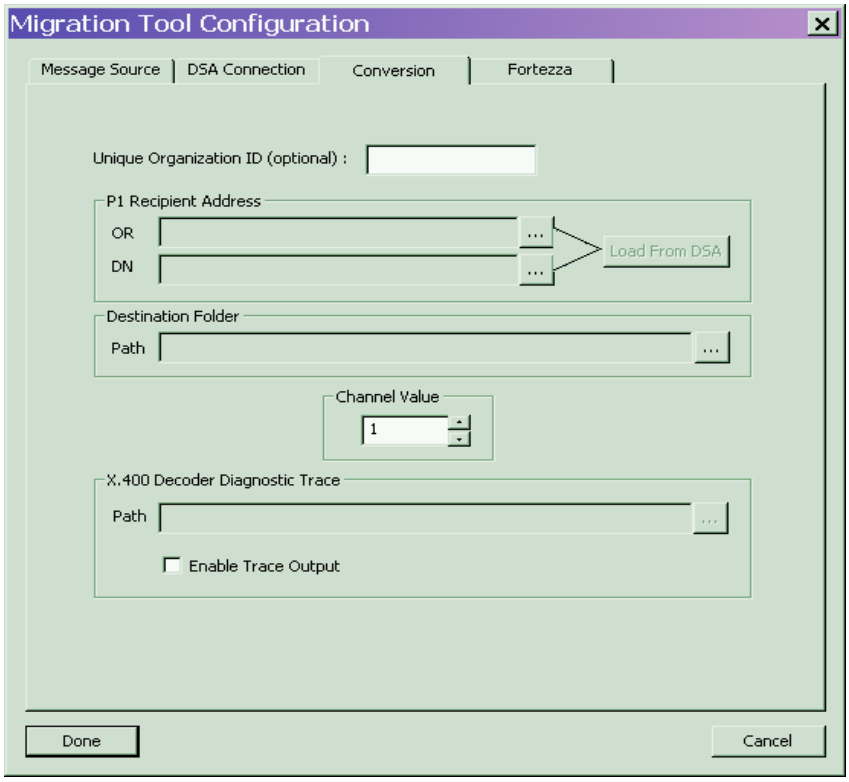
Check that the entered data is correct and that the DSA is operational and retry.

Conversion Tab

The configuration parameters on this tab specify the site unique identifier (optional) that will be added to the Message Transfer System Identifier (MTSID) of each migrated message and the ORAddress and Distinguished Name (DN) of the AMHS recipient that will receive the migrated message(s). When migrating a message, the tool has to build an XML representation of the DMS message P1 envelope. As part of this process, the existing P1 recipient information will be replaced with the entered information on this tab. This

will ensure delivery to the correct AMHS mailbox when the XML messages are introduced to the AMHS/CP-XP system.

Also specified on this tab are the folder where the migrated XML message files will be stored after they are created, the channel number portion of all created XML file names and an optional diagnostic trace file creation option. The diagnostic trace file option should only be used when an error condition is noted after message migration.



Select the ***Unique Organization ID*** field (optional for message migration) to enter a unique site ID. The maximum length allowed for this field is 25 characters. The value entered is appended to the MTSID of each message that is migrated. For example, if a particular message has an MTSID as follows:

```
c=US/a=dms;LOCAL-ID=DMS-EXCHNT-050302232811Z-40
```

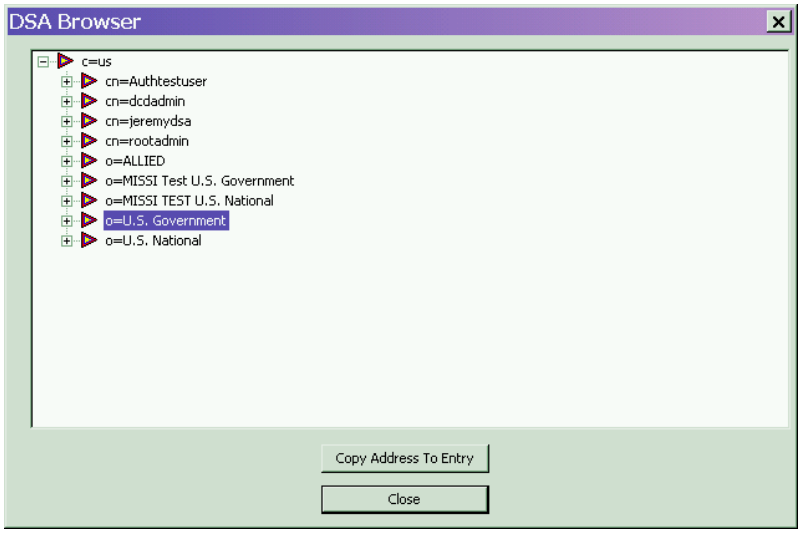
and the ***Unique Organization ID*** is entered as *Site A 0001*, then the MTSID in the migrated message will be as follows:

```
c=US/a=dms;LOCAL-ID=DMS-EXCHNT-050302232811Z-40Site A 0001
```

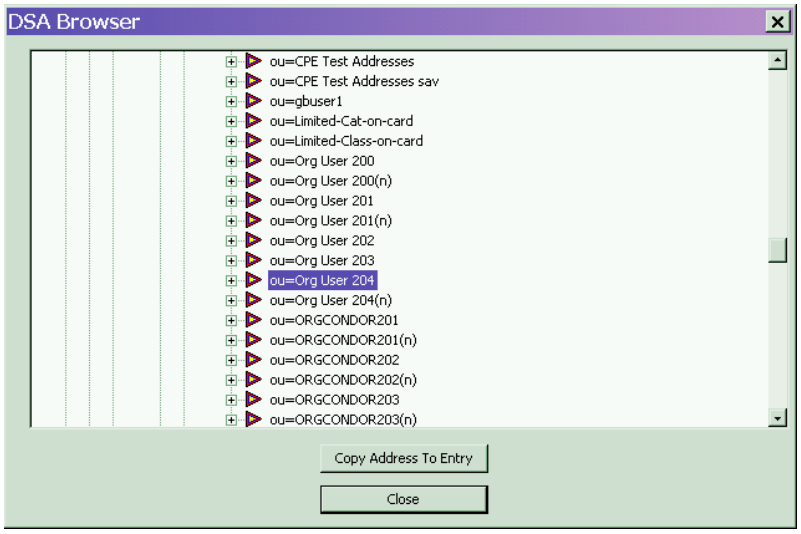
During message migration the length of the MTSID (original MTSID + ***Unique Organization ID***) is checked, if the length exceeds 90 characters the message will fail migration.

This configuration option is provided to allow multiple sites that received the same message to migrate their copy of the message to one AMHS.

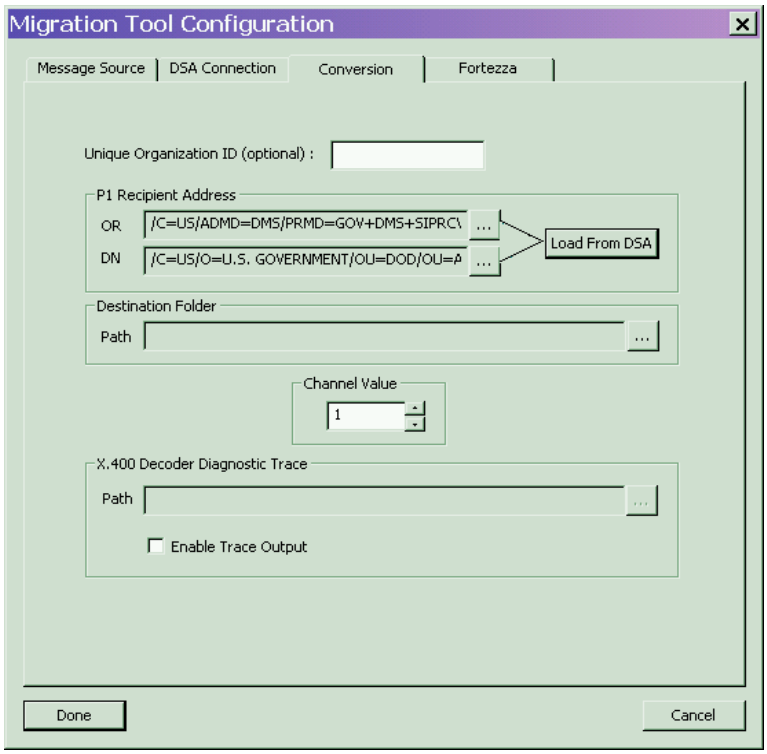
Select the ***Load From DSA*** button to browse the configured DSA to specify the DN and ORAddress of the AMHS recipient that will receive the migrated message(s). The button is selectable only after the DSA Connection has been properly configured (see the section titled ***DSA Connection Tab*** above). Once selected, the ***DSA Browser*** window is displayed.



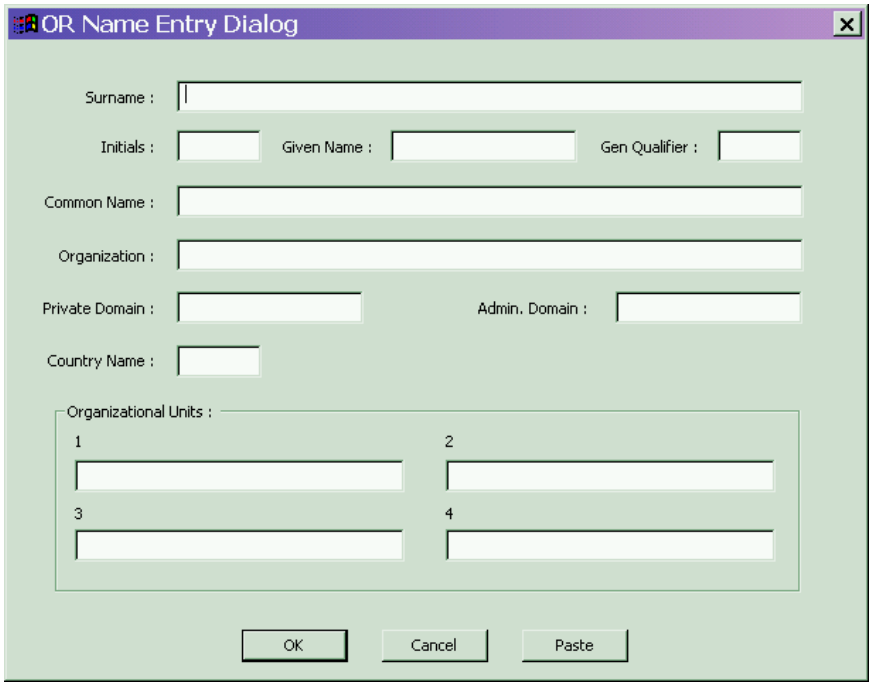
Navigate to and highlight the required DN.



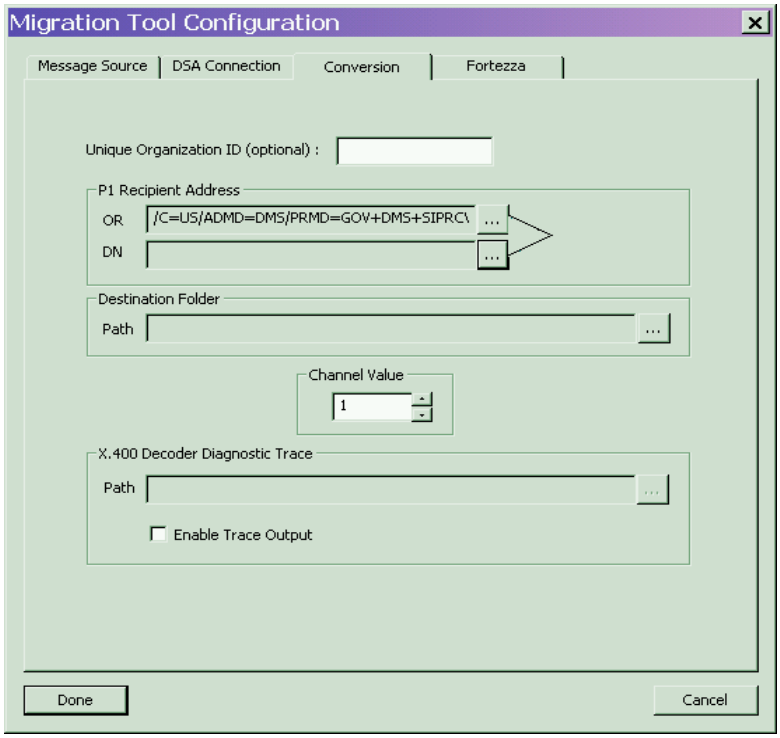
Select the ***Copy Address To Entry*** button to select this DN and associated ORAddress from the DSA. The DN and ORAddress will be copied to the appropriate fields on the ***Conversion*** tab window. Select the ***Close*** button on the ***DSA Browser*** window.



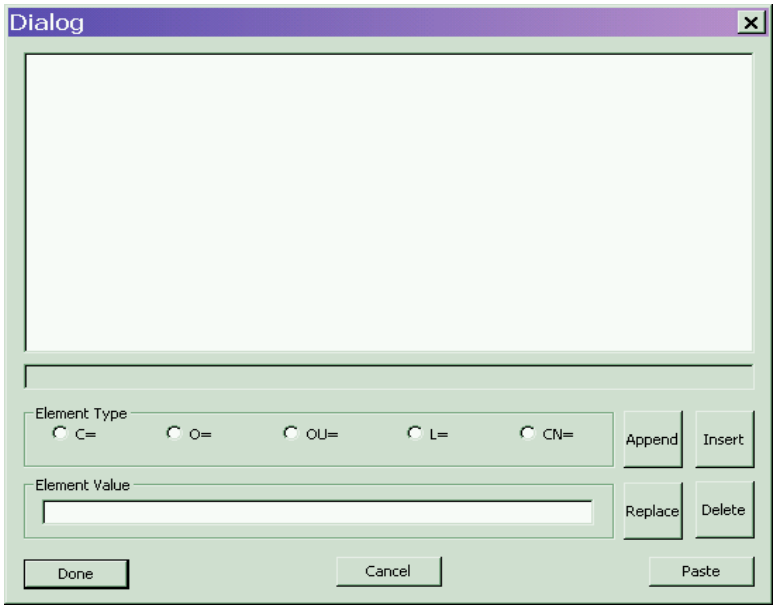
The ***P1 Recipient Address*** ORAddress and DN can also be manually entered/edited. Select the "***…"*** button in the ***OR*** box of the ***P1 Recipient Address*** section to specify/edit the ORAddress of the AMHS recipient that will receive the migrated message(s). Once selected, the ***OR Name Entry Dialog*** window is displayed.



Enter/Edit the required data in the appropriate fields or select the ***Paste*** button to paste a properly formatted ORAddress from the clipboard into the window. Select the ***OK*** button to close the window. The ORAddress will be displayed in the ***OR*** box of the ***P1 Recipient Address*** section on the ***Conversion*** tab.



Select the "***…"*** button in the ***DN*** box of the ***P1 Recipient Address*** section to specify/edit the DN of the AMHS recipient that will receive the migrated message(s). Once selected, the ***Dialog*** window is displayed.

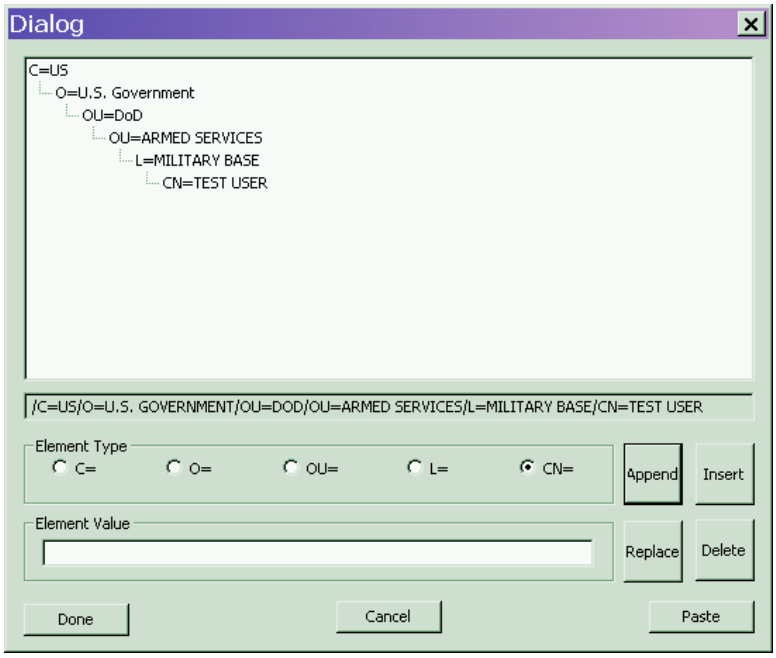


Enter the required data into the appropriate fields. Data is entered as follows:

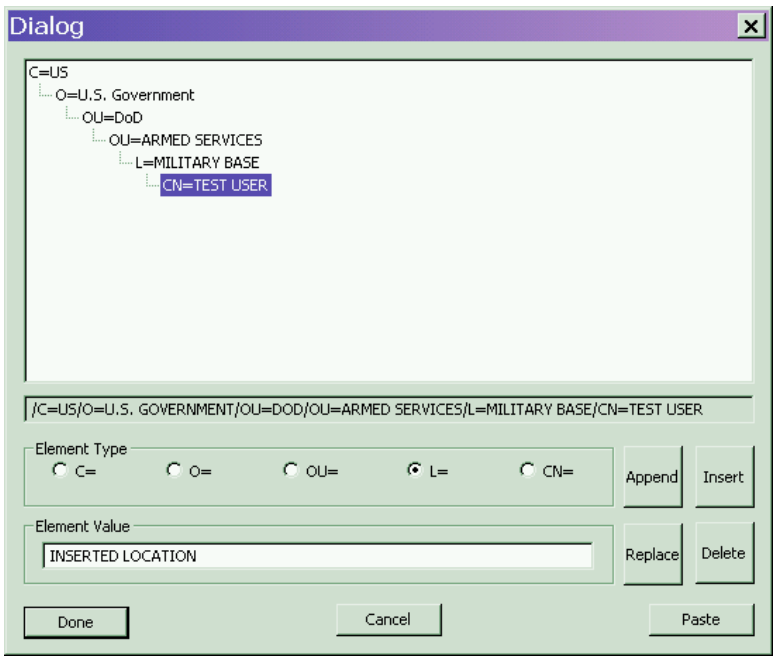
- Select an ***Element Type*** radio button. The "C=" indicates Country code, "O=" indicates Organization, "OU=" indicates Organizational Unit, "L=" indicates Location and "CN=" indicates Common Name.
- Enter the value in the ***Element Value*** box. Do not enter the delimiter character that is used to separate DN components, e.g., the "/" character in a DN of the form /C=US/O=U.S. Government/O=DoD…
- Select the ***Append*** button.
- Repeat the above for each component of the DN.

After following the above steps to enter the DN listed below the window should appear as follows:

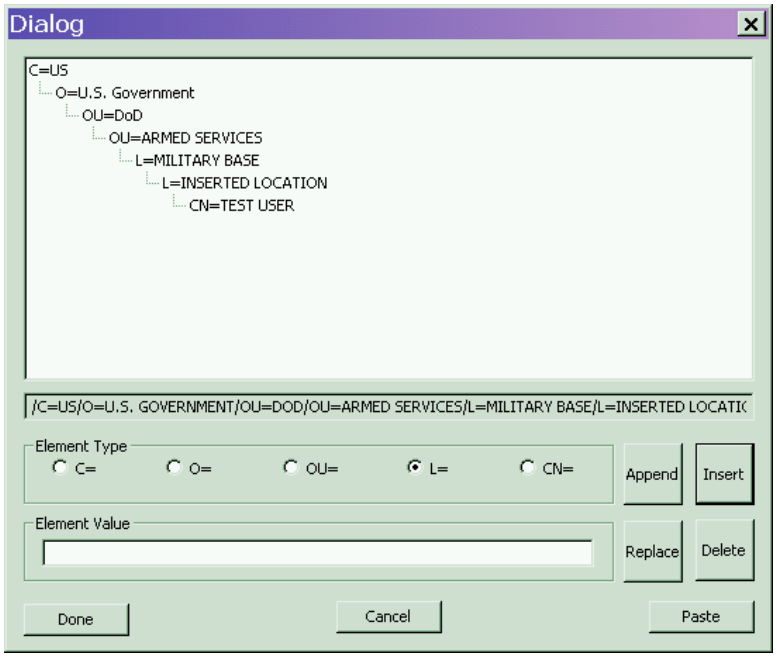
/C=US/O=U.S. GOVERNMENT/OU=DoD/OU=ARMED SERVICES/L=MILITARY BASE/CN=TEST USER



To edit an entered value, highlight the desired element in the upper portion of the window.



To insert an element above the highlighted element, select an ***Element Type*** radio button, enter the value in the ***Element Value*** box (as seen above) and select the ***Insert*** button.

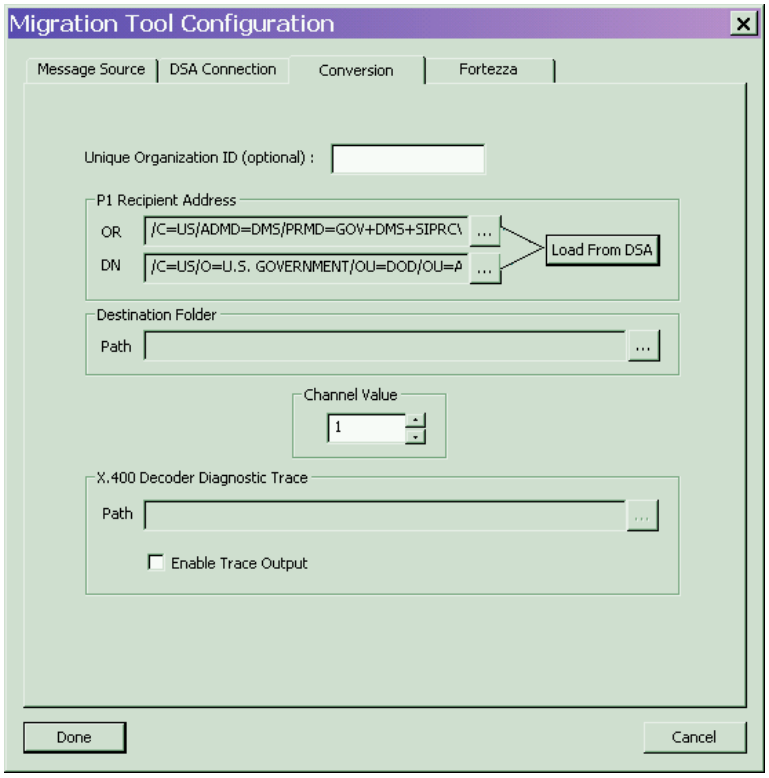


To replace a highlighted element, select an ***Element Type*** radio button, enter the value in the ***Element Value*** box and select the ***Replace*** button.

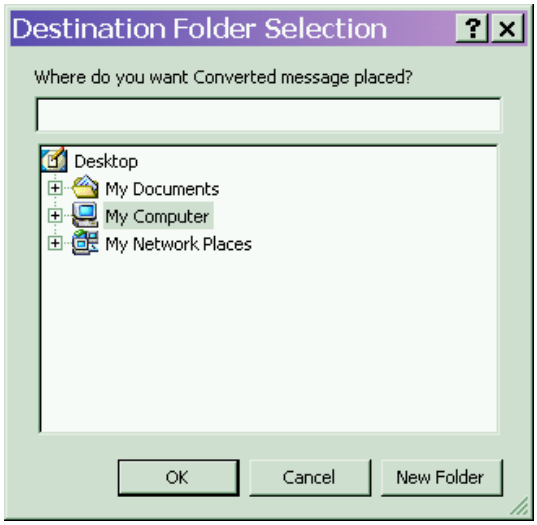
To delete a highlighted element, select an ***Element Type*** radio button, enter the value in the ***Element Value*** box and select the ***Delete*** button.

The ***Paste*** button can be selected to paste a properly formatted DN from the clipboard into the window.

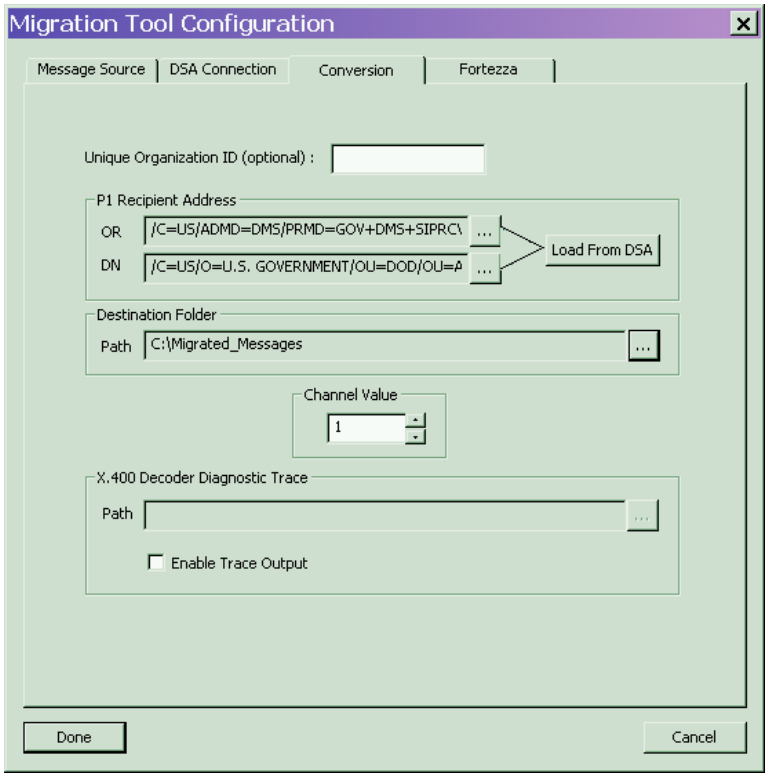
After selecting the ***Done*** button, the window is closed and the entered DN is displayed in the ***DN*** box of the ***P1 Recipient Address*** section.



Select the "***…"*** button in the ***Destination Folder*** section to specify where the migrated XML message files will be stored after they are created. Once selected, the ***Destination Folder Selection*** window is displayed.



Use this window to select the desired folder. After selecting the ***OK*** button, the window is closed and the selected folder is displayed in the ***Path*** box of the ***Destination Folder*** section.



> ☒ **NOTE:** At this folder location, messages will be placed in a ***Messages*** sub-folder, attachments associated with each message will be placed in an ***Attachment*** sub-folder and an error log will be placed in an ***Error*** sub-folder. If any of these sub-folders do not exist, the tool will create them automatically.

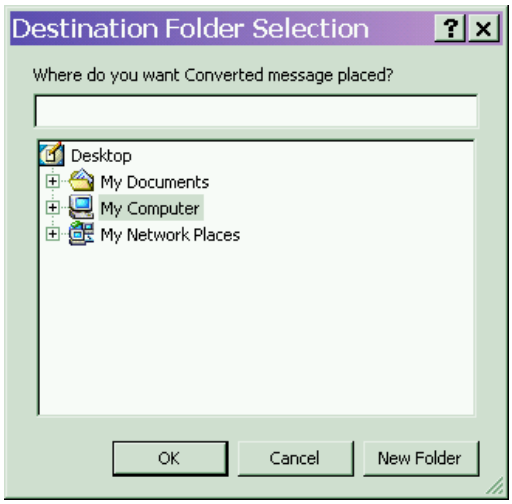
Select the up or down arrow buttons in the ***Channel Value*** section to specify the XML channel number that will be placed in the filename of all XML messages that are generated. AMHS/CP-XP message naming convention uses the CP-XP XML channel number in the name of all XML messages that are generated. To ensure compatibility with the AMHS/CP-XP system that will receive the migrated messages, the tool holds to the same XML file naming convention. Typically, for DMS, this value is “2”.

Failed Message Migration

If problems are encountered during the message migration process (see the section titled ***Migrate Message***) the ***X.400 Decoder Diagnostic Trace*** option can be used to help diagnose problems. This option ***should only*** be used on a single

message basis as it generates a large log file and only on messages that have previously failed migration.

Select the ***Enable Trace Output*** radio button on the ***Conversion*** tab to enable this option. Select the "***…"*** button in the ***Path*** section to specify where the diagnostic trace log file will be stored after it is created. Once selected, the ***Destination Folder Selection*** window is displayed.

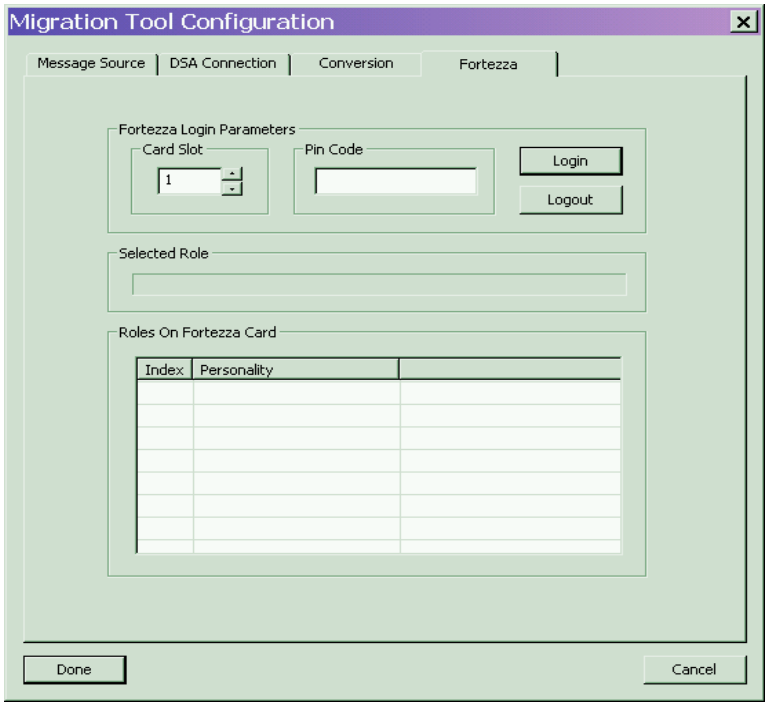


Use this window to select the desired folder. After selecting the ***OK*** button, the window is closed and the selected folder is displayed in the ***Path*** box.

With this option configured, attempt to re-migrate a message (see the section titled ***Migrate Message***) that previously failed migration. The log file created will be named ***X400TraceLog.dat*** and will placed in the selected folder.

Fortezza Tab

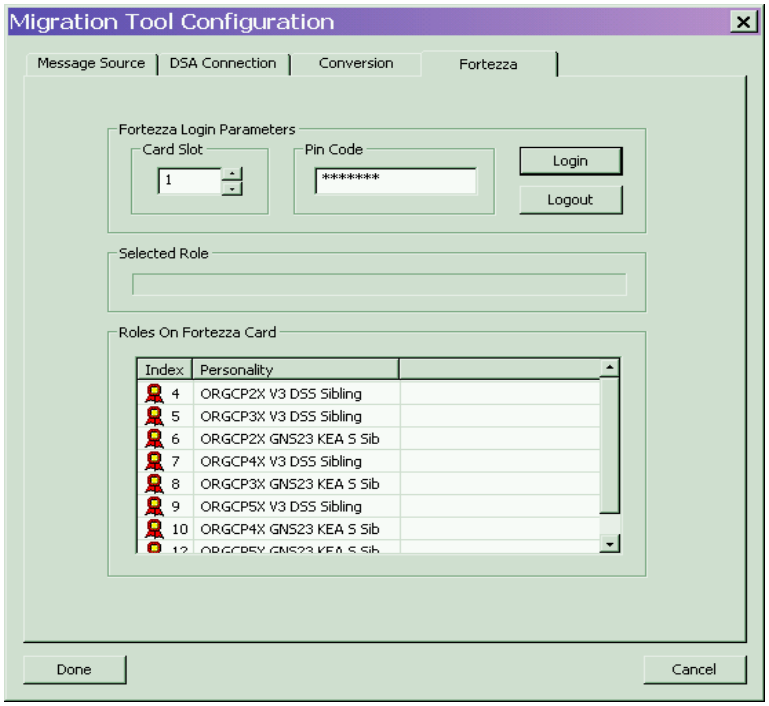
The configuration parameters on this tab specify the Fortezza card slot number and PIN code that the tool will use to logon to the Fortezza card. It also specifies the certificate index on the Fortezza card containing the certificate that will be used to decrypt SE messages before they are migrated to XML format.



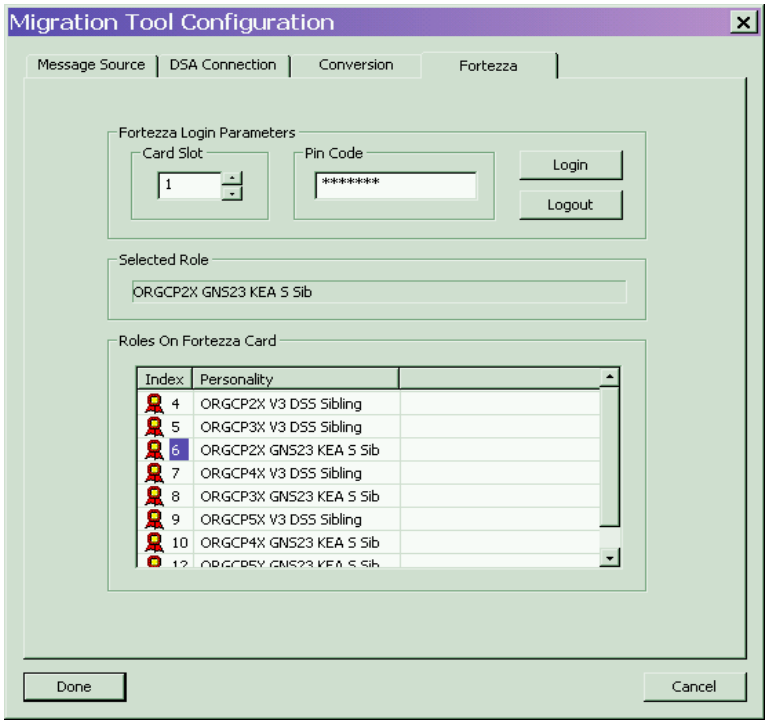
Perform the following to enter the configuration data on the ***Fortezza*** tab:

- Insert the Fortezza card into the card reader, make note of the slot used.
- Select the up or down arrow buttons in the ***Card Slot*** section to specify the card slot, "1" is displayed by default.
- Enter the card PIN code in the ***Pin Code*** section. Each character entered will be displayed as an asterisk (*).
- Select the ***Login*** button.

After performing the steps listed above, the tool will logon to the Fortezza card and display a list of each available role and the corresponding certificate index in the ***Roles on Fortezza Card*** section.



To complete the configuration, double click on the ***Index*** of the certificate that the tool will use to decrypt the SE message(s) requiring migration. Once selected, the certificate index will be highlighted and the role will be displayed in the ***Selected Role*** section.

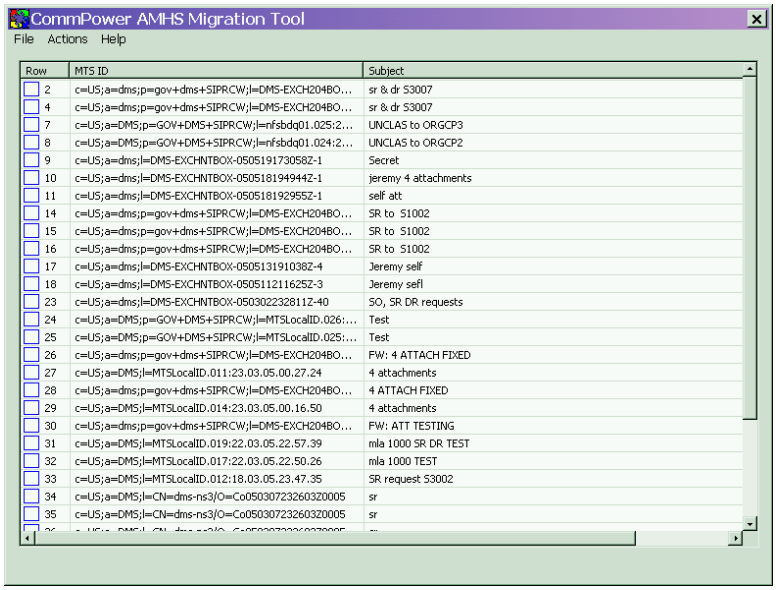


The ***Logout*** button can be selected to log the tool off of the specified Fortezza card. Use this feature prior to removing the Fortezza card and inserting another when configuring the tool.

> ☒ **NOTE:** Do not remove the Fortezza card while the tool is migrating messages.

Completing the Configuration Process

After accurately entering all of the configuration data noted above, select the ***Done*** button in the lower left corner of the ***Migration Tool Configuration*** window. The configuration window will close and the main window of the CP-XP Message Migration Tool user interface will be displayed similar to that seen below if SE messages, SO messages or signed receipts reside in folder specified for message migration.


CommPower AMHS Migration Tool
File Actions Help
Row MTS ID Subject
2 c=US;a=dms;p=gov+dms+SIPRCW;l=DMS-EXCH204BO... sr & dr S3007
4 c=US;a=dms;p=gov+dms+SIPRCW;l=DMS-EXCH204BO... sr & dr S3007
7 c=US;a=DMS;p=GOV+DMS+SIPRCW;l=nfsbdq01.025:2... UNCLAS to ORGCP3
8 c=US;a=DMS;p=GOV+DMS+SIPRCW;l=nfsbdq01.024:2... UNCLAS to ORGCP2
9 c=US;a=dms;l=DMS-EXCHNTBOX-050519173058Z-1 Secret
10 c=US;a=dms;l=DMS-EXCHNTBOX-050518194944Z-1 jeremy 4 attachments
11 c=US;a=dms;l=DMS-EXCHNTBOX-050518192955Z-1 self att
14 c=US;a=dms;p=gov+dms+SIPRCW;l=DMS-EXCH204BO... SR to S1002
15 c=US;a=dms;p=gov+dms+SIPRCW;l=DMS-EXCH204BO... SR to S1002
16 c=US;a=dms;p=gov+dms+SIPRCW;l=DMS-EXCH204BO... SR to S1002
17 c=US;a=dms;l=DMS-EXCHNTBOX-050513191038Z-4 Jeremy self
18 c=US;a=dms;l=DMS-EXCHNTBOX-050511211625Z-3 Jeremy self
23 c=US;a=dms;l=DMS-EXCHNTBOX-050302232811Z-40 SO, SR DR requests
24 c=US;a=DMS;p=GOV+DMS+SIPRCW;l=MTSLocalID.026:... Test
25 c=US;a=DMS;p=GOV+DMS+SIPRCW;l=MTSLocalID.025:... Test
26 c=US;a=dms;p=gov+dms+SIPRCW;l=DMS-EXCH204BO... FW: 4 ATTACH FIXED
27 c=US;a=DMS;l=MTSLocalID.011:23.03.05.00.27.24 4 attachments
28 c=US;a=dms;p=gov+dms+SIPRCW;l=DMS-EXCH204BO... 4 ATTACH FIXED
29 c=US;a=DMS;l=MTSLocalID.014:23.03.05.00.16.50 4 attachments
30 c=US;a=dms;p=gov+dms+SIPRCW;l=DMS-EXCH204BO... FW: ATT TESTING
31 c=US;a=DMS;l=MTSLocalID.019:22.03.05.22.57.39 mla 1000 SR DR TEST
32 c=US;a=DMS;l=MTSLocalID.017:22.03.05.22.50.26 mla 1000 TEST
33 c=US;a=DMS;l=MTSLocalID.012:18.03.05.23.47.35 SR request S3002
34 c=US;a=DMS;l=CN=dms-ns3/O=Co05030723260320005 sr
35 c=US;a=DMS;l=CN=dms-ns3/O=Co05030723260320005 sr

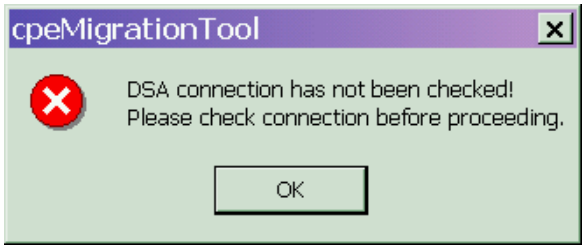
> ☒ **NOTE:** If Delivery Reports or Non-Delivery Reports exist in the folder specified for message migration, they will not be listed.

> ☒ **NOTE:** Although signed receipts are not migrated to XML, they are listed in the above window when resident in the folder specified for message migration. See the next section to understand how signed receipts are handled during the migration process.

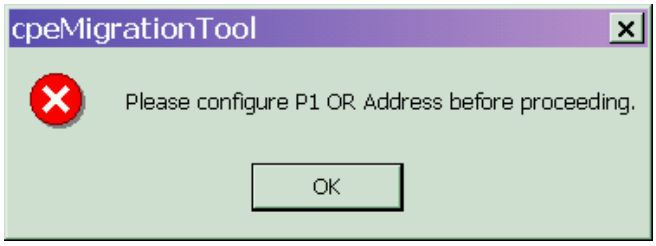
At this point, the tool is configured and the message migration process can begin. See the next section to complete the migration process.

If any piece of required configuration data is not set a warning window will be displayed. If the following warning is displayed, return to the ***Message Source*** tab and specify a particular Public Folder.

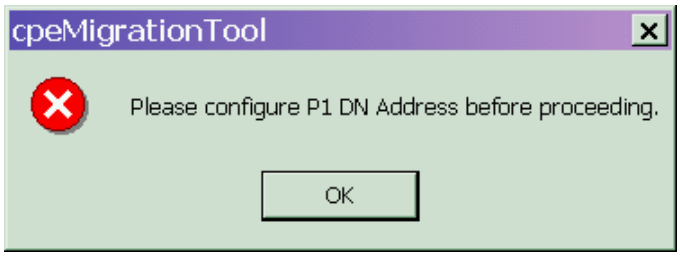
If the following warning is displayed, return to the ***DSA Connection*** tab and select the ***Check*** button.



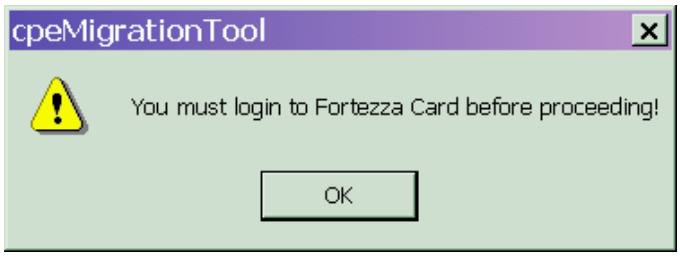
If the following warning is displayed, return to the ***Conversion*** tab and specify a ***P1 Recipient Address*** ORAddress.



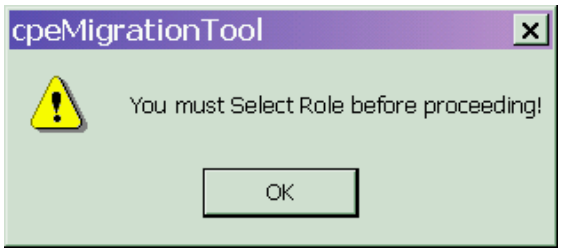
If the following warning is displayed, return to the ***Conversion*** tab and specify a ***P1 Recipient Address*** DN.



If the following warning is displayed, return to the ***Fortezza*** tab and select the ***Login*** button.



If the following warning is displayed, return to the ***Fortezza*** tab and double click on the required index.



Save Configuration

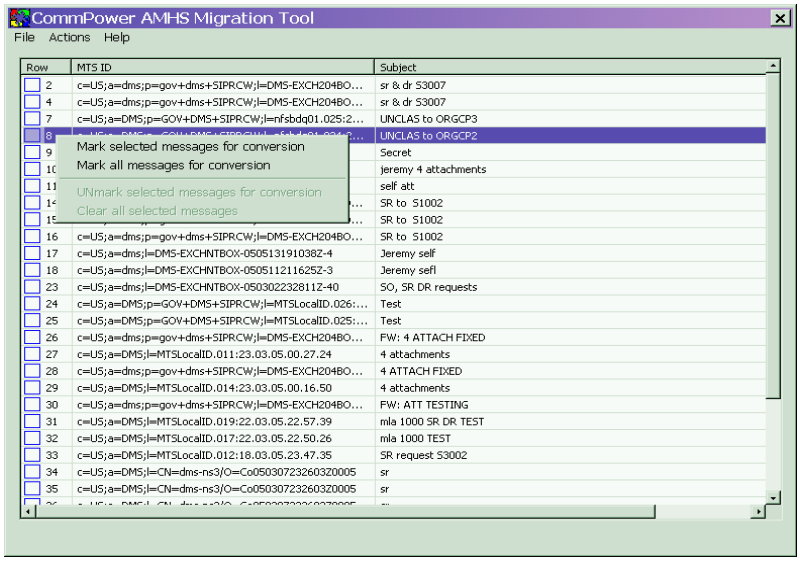
When selected from the ***Action Menu***, the ***Save Configuration*** option will save the current configuration settings to file (Program Files\CommPower\MMT\migrate_config). Subsequent Migration Tool re-starts will use this file and manual configuration will not be required. Saved configuration settings can be edited and re-saved if required.

Migrate Message

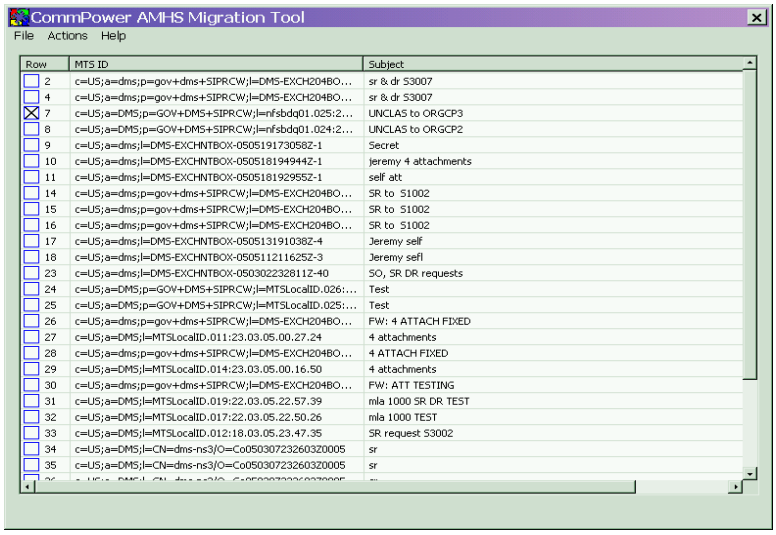
After the CP-XP Message Migration Tool has logged onto the selected DMS Microsoft Exchange mailbox and is configured, mark messages for migration by performing the following steps:

- Highlight one or more messages in the user interface main window.
- Right mouse click over the highlighted message(s).
- Select the desired option from the list that is displayed:
  - ***Mark selected messages for conversion***
  - ***Mark all messages for conversion***
  - ***UNmark selected messages for conversion***
  - ***Clear all selected messages***

The ***UNmark selected messages for conversion*** and ***Clear all selected messages*** options are not available until a message is marked for migration.


CommPower AMHS Migration Tool
File Actions Help
Row MTS ID Subject
Mark selected messages for conversion
Mark all messages for conversion
UNmark selected messages for conversion
Clear all selected messages

Once an option has been selected, the message(s) that was highlighted will be marked with an “X”.



To unmark previously marked messages perform the following steps:

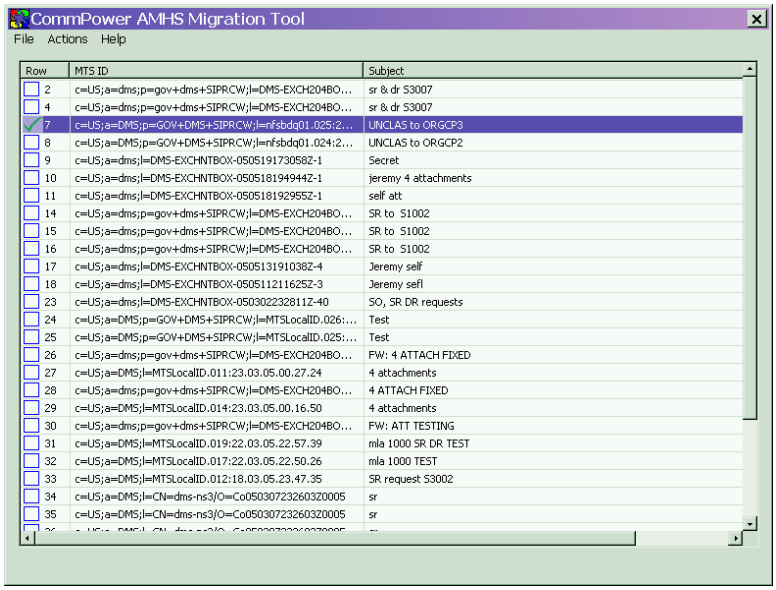
- Highlight one or more messages.
- Right mouse click over the user interface.
- Select the ***UNmark selected messages for conversion*** option.

Or

- Right mouse click over the user interface.
- Select the ***Clear all selected messages*** option.

With messages marked for migration, select the ***Migrate Message*** option under the ***Actions Menu*** to complete the process. A progress indicator bar is displayed at the bottom of the window while the tool migrates messages. When processing is complete the progress indicator bar is removed and a window is also displayed indicating that message migration has ended.

Messages that were successfully migrated are marked with a green check mark (√). Messages that failed migration are marked with a red check mark (√). Signed Receipts are marked with a special icon ( ). Look in the ***Error*** sub-folder or ***Message*** sub-folder for a log file containing potential reasons for the migration failure.


CommPower AMHS Migration Tool
File Actions Help
Row MTS ID Subject
2 c=US;a=dms;p=gov+dms+SIPRCW;l=DMS-EXCH204BO... sr & dr S3007
4 c=US;a=dms;p=gov+dms+SIPRCW;l=DMS-EXCH204BO... sr & dr S3007
7 c=US;a=DMS;p=GOV+DMS+SIPRCW;l=nfsbdq01.025:2... UNCLAS to ORGCP3
8 c=US;a=DMS;p=GOV+DMS+SIPRCW;l=nfsbdq01.024:2... UNCLAS to ORGCP2
9 c=US;a=dms;l=DMS-EXCHNTBOX-050519173058Z-1 Secret
10 c=US;a=dms;l=DMS-EXCHNTBOX-050518194944Z-1 jeremy 4 attachments
11 c=US;a=dms;l=DMS-EXCHNTBOX-050518192955Z-1 self att
14 c=US;a=dms;p=gov+dms+SIPRCW;l=DMS-EXCH204BO... SR to S1002
15 c=US;a=dms;p=gov+dms+SIPRCW;l=DMS-EXCH204BO... SR to S1002
16 c=US;a=dms;p=gov+dms+SIPRCW;l=DMS-EXCH204BO... SR to S1002
17 c=US;a=dms;l=DMS-EXCHNTBOX-050513191038Z-4 Jeremy self
18 c=US;a=dms;l=DMS-EXCHNTBOX-050511211625Z-3 Jeremy self
23 c=US;a=dms;l=DMS-EXCHNTBOX-050302232811Z-40 SO, SR DR requests
24 c=US;a=DMS;p=GOV+DMS+SIPRCW;l=MTSLocalID.026:... Test
25 c=US;a=DMS;p=GOV+DMS+SIPRCW;l=MTSLocalID.025:... Test
26 c=US;a=dms;p=gov+dms+SIPRCW;l=DMS-EXCH204BO... FW: 4 ATTACH FIXED
27 c=US;a=DMS;l=MTSLocalID.011:23.03.05.00.27.24 4 attachments
28 c=US;a=dms;p=gov+dms+SIPRCW;l=DMS-EXCH204BO... 4 ATTACH FIXED
29 c=US;a=DMS;l=MTSLocalID.014:23.03.05.00.16.50 4 attachments
30 c=US;a=dms;p=gov+dms+SIPRCW;l=DMS-EXCH204BO... FW: ATT TESTING
31 c=US;a=DMS;l=MTSLocalID.019:22.03.05.22.57.39 mla 1000 SR DR TEST
32 c=US;a=DMS;l=MTSLocalID.017:22.03.05.22.50.26 mla 1000 TEST
33 c=US;a=DMS;l=MTSLocalID.012:18.03.05.23.47.35 SR request S3002
34 c=US;a=DMS;l=CN=dms-ns3/O=Co05030723260 3Z0005 sr
35 c=US;a=DMS;l=CN=dms-ns3/O=Co05030723260 3Z0005 sr

Repeat the steps noted above to mark and migrate additional messages.

If the standard log files noted above do not indicate why a message failed migration, the ***X.400 Decoder Diagnostic Trace*** option can be configured and the message re-migrated to help diagnose the problem. See the section above titled ***Failed Message Migration*** to configure this option.

As noted above, signed receipts can be marked for migration and will fail the migration process. An entry will be made in the error log file for each signed

receipt that is migrated. The error will indicate that an attempt was made to migrate a signed receipt and that signed receipt migration is not supported.

☒ **NOTE:** Migrated messages remain checked, green or red, as long as the Migration Tool is running. If the tool is re-started previously migrated messages can be migrated again.

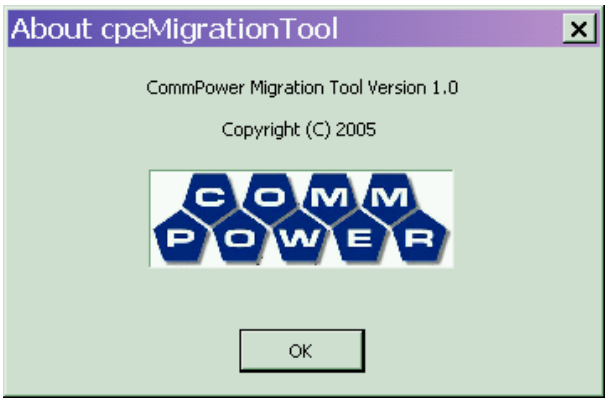
Abort Migrating

Select the ***Abort Migrating*** option from the ***Action Menu*** to stop the migration process before the next message.

Migration Tool Help Menu

The Help Menu is comprised of the following selections:

- Select ***About*** to determine CP-XP Message Migration Tool version number.



Select the ***OK*** button to close the window.